

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	176	((119/837) or (606/164)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/12/14 09:45
L2	3	L1 and @pd>"20050202"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/12/14 09:46
L3	3	"beak" and "bird" and "energy" and ("tongue" or "throat") and "aperture"	US-PGPUB	OR	OFF	2007/12/14 09:48
L4	9	"beak" and "bird" and "energy" and ("tongue" or "throat") and "aperture"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/12/14 09:54
L5	46	"452"/\$.ccls. and "beak"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/12/14 09:55

Most frequently occurring classifications of patents returned
from a search of 10702369 on Dec 14 , 2007

Original Classifications

8 606/164
3 438/297
2 119/464
2 119/715
2 438/241
2 119/72.5

Cross-Reference Classifications

4 257/506
3 438/440
3 257/E21.258
2 257/E21.339
2 257/E21.564
2 257/648
2 438/298
2 219/384
2 438/294

Combined Classifications

8 606/164
4 438/297
4 257/506
3 438/440
3 119/464
3 119/715
3 257/E21.258
2 257/E21.339
2 257/E21.564
2 119/537
2 438/241
2 257/648
2 438/298
2 219/384
2 438/452
2 119/468
2 438/294
2 119/72.5

10702369_LIST.txt

10702369

PLUS Search Results for S/N 10702369 Searched Dec 14, 2007.

The Patent Linguistic Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

20050115521

7232450

20040143278

4343310

5182226

5391907

4343309

4627384

4913676

5235934

5651731

5722936

5758596

4352236

4026289

4951610

5836267

4375814

RE31202

4395973

4446819

4551910

4612701

4762805

5022345

5323733

5588397

5628277

5676091

5677234

6133087

6136651

6140670

6187645

6332431

6468870

20040112299

4558662

5301635

5494000

5894813

5455438

4394181

3807360

4040425

4437432

4949327

5250298

5346421

5393693

10702369_QUAL.txt

20050115521	99
7232450	92
20040143278	92
4343310	92
5182226	83
5391907	83
4343309	83
4627384	83
4913676	83
5235934	83
5651731	83
5722936	83
5758596	83
4352236	78
4026289	78
4951610	78
5836267	78
4375814	78
RE31202	78
4395973	78
4446819	78
4551910	78
4612701	78
4762805	78
5022345	78
5323733	78
5588397	78
5628277	78
5676091	78
5677234	78
6133087	78
6136651	78
6140670	78
6187645	78
6332431	78
6468870	78
20040112299	78
4558662	75
5301635	75
5494000	75
5894813	75
5455438	73
4394181	73
3807360	69
4040425	69
4437432	69
4949327	69
5250298	69
5346421	69
5393693	69

Titles of most frequently occurring classifications of patents returned
from a search of 10702369 on Dec 14 , 2007

8 606/164 (8 OR, 0 XR)
Class 606 SURGERY
606/1 .INSTRUMENTS
606/163 ..Means for debeaking or dehorning animals
606/164 ...By electrical or thermal application

4 438/297 (3 OR, 1 XR)
Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/142 .MAKING FIELD EFFECT DEVICE HAVING PAIR OF ACTIVE REGIONS
SEPARATED BY GATE STRUCTURE BY FORMATION OR ALTERATION OF SEMICONDUCTIVE ACTIVE
REGIONS
438/197 ..Having insulated gate (e.g., IGFET, MISFET, MOSFET, etc.)
438/294 ...Including isolation structure
438/297Recessed oxide formed by localized oxidation (i.e.,
LOCOS)

4 257/506 (0 OR, 4 XR)
Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE
DIODES)
257/499 .INTEGRATED CIRCUIT STRUCTURE WITH ELECTRICALLY ISOLATED
COMPONENTS
257/506 ..Including dielectric isolation means

3 438/440 (0 OR, 3 XR)
Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/400 .FORMATION OF ELECTRICALLY ISOLATED LATERAL SEMICONDUCTIVE
STRUCTURE
438/439 ..Recessed oxide by localized oxidation (i.e., LOCOS)
438/440 ...Including nondopant implantation

3 119/464 (2 OR, 1 XR)
Class 119 ANIMAL HUSBANDRY
119/416 .CONFINING OR HOUSING
119/452 ..Animal display or open work enclosure (e.g., cage, etc.)
119/459 ...Bird cage
119/464With feeding or watering means

3 119/715 (2 OR, 1 XR)
Class 119 ANIMAL HUSBANDRY
119/712 .ANIMAL CONTROLLING OR HANDLING (E.G., RESTRAINING,
BREAKING, TRAINING, SORTING, CONVEYING, ETC.)
119/713 ..Bird
119/714 ...Body worn
119/715Head carried

3 257/E21.258 (0 OR, 3 XR)
Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE
DIODES)
257/E21.001 .PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE OR
TREATMENT OF SEMICONDUCTOR OR SOLID-STATE DEVICES OR OF PARTS THEREOF (EPO)
257/E21.002 ..Manufacture or treatment of semiconductor device (EPO)
257/E21.04 ...Device having at least one potential-jump barrier or
surface barrier, e.g., PN junction, depletion layer, carrier concentration layer
(EPO)
257/E21.085Device having semiconductor body comprising Group IV
elements or Group III-V compounds with or without impurities, e.g., doping materials
(EPO)
257/E21.211Treatment of semiconductor body using process other
than deposition of semiconductor material on a substrate, diffusion or alloying of

impurity material, or radiation treatment (EPO)

257/E21.214To change their surface-physical characteristics or shape, e.g., etching, polishing, cutting (EPO)

257/E21.24To form insulating layer thereon, e.g., for masking or by using photolithographic technique (EPO)

257/E21.258Using masks (EPO)

2 257/E21.339 (0 OR, 2 XR)

Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)

257/E21.001 .PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE OR TREATMENT OF SEMICONDUCTOR OR SOLID-STATE DEVICES OR OF PARTS THEREOF (EPO)

257/E21.002 ..Manufacture or treatment of semiconductor device (EPO)

257/E21.04 ...Device having at least one potential-jump barrier or surface barrier, e.g., PN junction, depletion layer, carrier concentration layer (EPO)

257/E21.085Device having semiconductor body comprising Group IV elements or Group III-V compounds with or without impurities, e.g., doping materials (EPO)

257/E21.328Radiation treatment (EPO)

257/E21.331With high-energy radiation (EPO)

257/E21.334Producing ions for implantation (EPO)

257/E21.335In Group IV semiconductor (EPO)

257/E21.339Of electrically inactive species in silicon to make buried insulating layer (EPO)

2 257/E21.564 (0 OR, 2 XR)

Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)

257/E21.001 .PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE OR TREATMENT OF SEMICONDUCTOR OR SOLID-STATE DEVICES OR OF PARTS THEREOF (EPO)

257/E21.532 ..Manufacture or treatment of devices consisting of plurality of solid-state components formed in or on common substrate or of parts thereof; manufacture of integrated circuit devices or of parts thereof (EPO)

257/E21.536 ...Manufacture of specific parts of devices (EPO)

257/E21.54Making of isolation regions between components (EPO)

257/E21.545Dielectric regions, e.g., EPIC dielectric isolation, LOCOS; trench refilling techniques, SOI technology, use of channel stoppers (EPO)

257/E21.561Using semiconductor or insulator technology, i.e., SOI technology (EPO)

257/E21.564SOI together with lateral isolation, e.g., using local oxidation of silicon, or dielectric or polycrystalline material refilled trench or air gap isolation regions, e.g., completely isolated semiconductor islands (EPO)

2 119/537 (1 OR, 1 XR)

Class 119 ANIMAL HUSBANDRY

119/416 ..CONFINING OR HOUSING

119/537 ..Portable or nonconfined bird perch

2 438/241 (2 OR, 0 XR)

Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/142 .MAKING FIELD EFFECT DEVICE HAVING PAIR OF ACTIVE REGIONS SEPARATED BY GATE STRUCTURE BY FORMATION OR ALTERATION OF SEMICONDUCTIVE ACTIVE REGIONS

438/197 ..Having insulated gate (e.g., IGFET, MISFET, MOSFET, etc.)

438/238 ...Including passive device (e.g., resistor, capacitor, etc.)

438/239Capacitor

438/241And additional field effect transistor (e.g., sense or access transistor, etc.)

2 257/648 (0 OR, 2 XR)

10702369_CLSTITLES.txt

DIODES) Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE
257/629 .WITH MEANS TO CONTROL SURFACE EFFECTS
257/632 ..Insulating coating
257/647 ...Insulating layer recessed into semiconductor surface
(e.g., LOCOS oxide)
257/648Combined with channel stop region in semiconductor

2 438/298 (0 OR, 2 XR)
Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/142 .MAKING FIELD EFFECT DEVICE HAVING PAIR OF ACTIVE REGIONS
SEPARATED BY GATE STRUCTURE BY FORMATION OR ALTERATION OF SEMICONDUCTIVE ACTIVE
REGIONS
438/197 ..Having insulated gate (e.g., IGFET, MISFET, MOSFET, etc.)
438/294 ...Including isolation structure
438/297Recessed oxide formed by localized oxidation (i.e.,
LOCOS)
438/298Doping region beneath recessed oxide (e.g., to form
chanstop, etc.)

2 219/384 (0 OR, 2 XR)
Class 219 ELECTRIC HEATING
219/200 .HEATING DEVICES
219/383 ..Electric arc-type devices
219/384 ...With perforating or disintegrating means

2 438/452 (1 OR, 1 XR)
Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/400 .FORMATION OF ELECTRICALLY ISOLATED LATERAL SEMICONDUCTIVE
STRUCTURE
438/439 ..Recessed oxide by localized oxidation (i.e., LOCOS)
438/452 ...Plural oxidation steps to form recessed oxide

2 119/468 (1 OR, 1 XR)
Class 119 ANIMAL HUSBANDRY
119/416 .CONFINING OR HOUSING
119/452 ..Animal display or open work enclosure (e.g., cage, etc.)
119/459 ...Bird cage
119/467With attachment device
119/468Perch for cage

2 438/294 (0 OR, 2 XR)
Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/142 .MAKING FIELD EFFECT DEVICE HAVING PAIR OF ACTIVE REGIONS
SEPARATED BY GATE STRUCTURE BY FORMATION OR ALTERATION OF SEMICONDUCTIVE ACTIVE
REGIONS
438/197 ..Having insulated gate (e.g., IGFET, MISFET, MOSFET, etc.)
438/294 ...Including isolation structure

2 119/72.5 (2 OR, 0 XR)
Class 119 ANIMAL HUSBANDRY
119/72 .WATERING OR LIQUID FEED DEVICE
119/72.5 ..Drop-delivering